

CLAIMS

[1] A long glass run channel which is made from an elastic polymer material, the glass run channel being mounted along a window frame of a vehicle and formed so as to guide a slide movement of a window pane, the glass run channel including:

a base bottom portion opposed to a peripheral end surface of the window pane when the glass run channel has been mounted on the window frame;

interior and exterior side wall portions standing from both ends of the base bottom portion in the width direction respectively; and

interior and exterior sealing lips protruding from distal end sides of the interior and exterior side wall portions toward widthwise substantially central sides of the base bottom portion respectively, the interior and exterior sealing lips being capable of abutting against the window pane when the glass run channel is mounted on the window frame, comprising:

at least one of the interior and exterior sealing lips includes a sealing lip body and a projecting ridge formed integrally on a surface of the sealing lip body so as to extend in a lengthwise direction; and

the projecting ridge has a cross section formed into a shape of substantially a scalene triangle including a longer side at a root side of the sealing lip and a shorter side at a distal end side of the sealing lip.

[2] The glass run channel of claim 1, wherein the longer side

of the projecting ridge is set so as to have an angle of inclination ranging from 40° to 80° relative to a normal line on the surface of the sealing lip body and the shorter side of the projecting ridge is set so as to have an angle of inclination
5 ranging from 5° to 40° relative to the normal line.

[3] The glass run channel of claim 2, wherein the shorter side of the projecting ridge is set so as to have an angle of inclination ranging from 15° to 40° relative to the normal line
10 on the surface of the sealing lip body.

[4] The glass run channel of any one of claims 1 to 3, wherein the projecting ridge is made from a polymer material having a solubility with a polymer material of the sealing lip body and
15 a better slidability than the polymer material of the sealing lip body and that the projecting ridge and the sealing lip body are integrated by welding.

[5] The glass run channel of any one of claims 1 to 3, wherein
20 the polymer material of the sealing lip body is rubber.

[6] The glass run channel of any one of claims 1 to 3, wherein the polymer material of the sealing lip body is a thermoplastic elastomer.
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[7] The glass run channel of claim 6, wherein the thermoplastic elastomer of the sealing lip body is an olefinic thermoplastic elastomer.

[8] The glass run channel of any one of claims 1 to 3, wherein the projecting ridge is provided at least a surface of the exterior sealing lip body out of the interior and exterior sealing
5 lips.

[9] The glass run channel of any one of claims 1 to 3, wherein the projecting ridges are provided on surfaces of both interior and exterior sealing lips respectively.

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[10] The glass run channel of any one of claims 1 to 3, wherein the glass run channel includes an upper glass run channel mounted along an upper part of the window frame and a side glass run channel mounted along a side part of the window frame and that
15 the projecting ridge is provided on the sealing lip of the side glass run channel.

[11] The glass run channel of any one of claims 1 to 3, wherein the glass run channel includes an upper glass run channel mounted
20 along an upper part of the window frame and a side glass run channel mounted along a side part of the window frame and that the projecting ridges are provided on the sealing lips of both the upper glass run channel and the side glass run channel respectively.

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[12] The glass run channel of any one of claims 1 to 3, wherein a plurality of the projecting ridges are provided substantially in parallel with each other along the lengthwise direction of

the sealing lip.